

RELIABILITY TESTING

VERSUS

VALIDATION TESTING

2 TYPES OF TESTING TO MAKE SURE PRODUCT IS
SUITABLE FOR ITS INTENDED USE



Reliability testing

Based on mission profile which takes into account the combinations of use, storage and transportation conditions

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Done at various stages of R&D to make sure that reliability requirements are fulfilled

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Done with accelerated tests and acceleration models to find failures in short time

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Purpose is to test until failures (if possible)



Validation testing

Based on test requirements set for the product internally or by customers or by a third-party

Done at the end of R&D to verify functionality and reliability

Done with standardized tests

Purpose is to use short pass/fail tests